

| Application/Control No. | Applicant(s)/Patent under Reexamination | | | | | | | | | | |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|
| 10/718,056 | YAMADA ET AL. | | | | | | | | | | |
| Examiner | Art Unit | | | | | | | | | | |
| | | | | | | | | | | | |

| | | | | | _ | _ | John K. Fold | | | | | | | | | | _ | 3744 | | | | | | | | _ | | | | | | | | | |
|----------|------------------|----------|----------|-----------|-----|----------|--------------|---|----------|----------|-------|------------|----------|------------|----------|----------|----------|-------------|------------|----------------|----------|----------|----------|----------|------------|----------|----------|----------|-----------|-----------|---|-----------|--------|--------|--|
| | | 1 | Re | eje | cte | ed | | | E | | (TI | nrou Ca | igh r | um lied | | | N | Non-Elected | | | | | | A | Appeal | | | | | | | | | | |
| | | = | A | Allowed ÷ | | | | | | | | Restricted | | | | | | | | I Interference | | | | | | 0 | Objected | | | | | | | | |
| Cla | aim | Т | | _ | _ | Dat | Α | | | _ | Claim | | | | | | | Date | | | | | Г | Cla | im | Date | | | | | | | _ | \neg | |
| 1 | | ١. | П | | T. | I | Ť | | T | | | | | Н | 7 | | Ť | 1 | _ | | Т | 1 | H | 1 | | Н | \neg | | ٦ | 1 | ٦ | П | | Н | |
| Final | Original | 1/07 | | | | | | | | | | Final | Original | | | | | | | | | | | E L | Original | | | | | | | | | | |
| \vdash | | ٥ | Н | - | - | ⊢ | ┢ | H | ⊢ | Н | Н | | 51 | Н | \dashv | \dashv | \dashv | \dashv | - | \dashv | \dashv | + | \vdash | \dashv | 101 | Н | \dashv | \dashv | \dashv | \dashv | - | Н | Н | Н | |
| | 9 | + | Н | П | Т | H | \vdash | - | H | | | - | 52 | Н | \dashv | \dashv | \dashv | \dashv | | \dashv | \dashv | \dashv | Н | \neg | 102 | Н | - | + | ┪ | \dashv | 7 | Н | Н | Н | |
| | 18 | | | | | | | | | | | | 53 | П | | \Box | | | | | | | | | 103 | | | | | | | П | | | |
| | 4 | = | | | | | | L | | - | | | 54 | П | 4 | _ | \dashv | \exists | | | | 4 | | \Box | 104 | П | | _ | \exists | \Box | | Ш | | | |
| - | 18 | ┢- | Н | - | _ | ├ | ⊢ | ⊢ | ⊢ | - | | | 55 56 | Н | \dashv | \dashv | - | - | - | \dashv | \dashv | + | \vdash | \dashv | 105 | Н | | - | - | - | - | Н | Н | Н | |
| - | 3 | ╀ | Н | - | - | ⊢ | | Н | \vdash | Н | Н | _ | 57 | Н | \dashv | + | - | \dashv | - | \dashv | - | + | Н | \dashv | 107 | Н | - | - | \dashv | - | - | Н | Н | Н | |
| | موا | ✝ | Н | | | \vdash | \vdash | Н | t | Н | | | 58 | H | \dashv | \dashv | \dashv | \dashv | | \dashv | \dashv | ٦. | H | \neg | 108 | Н | 一 | \dashv | \exists | \exists | | Н | | Н | |
| | 2 | 1 | | | | | | | | | | | 59 | | | | | \exists | | | | | Е | | 109 | П | | | | | | | | | |
| | 10 |)= | | | | | | | | | | | 60 | | | | \perp | \Box | | \Box | \perp | | Е | | 110 | | | _ | \Box | \Box | | | | | |
| \vdash | عار معار | 1 | Н | | | ⊢ | | ⊢ | ⊢ | | | | 61 | Н | | - | - | - | _ | - | - | - | \vdash | - | 111 | Н | _ | - | - | \dashv | _ | Н | \Box | Ш | |
| \vdash | 36 | ╀ | Н | _ | | ⊢ | ┢ | ⊢ | H | | | | 63 | Н | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv | \dashv | + | \vdash | \dashv | 113 | Н | \dashv | \dashv | \dashv | \dashv | - | Н | Н | Н | |
| \vdash | مزر | +- | Н | - | _ | 1- | 1 | Н | \vdash | | | _ | 64 | H | \dashv | \dashv | \dashv | ┪ | \neg | \neg | \neg | _ | \vdash | \dashv | 114 | Н | \dashv | \dashv | ┪ | \dashv | _ | H | Н | Н | |
| | 18 | 1 | П | | | 尴 | Г | | | | | | 65 | | | | T | \exists | | | \neg | | | | 115 | П | \neg | | | | | П | | | |
| | 18 | 1 | | | | | | | | | | | 66 | | | | | | | | | | | | 116 | | | | | | | | | | |
| | 17. | E | Н | | _ | ⊢ | - | _ | <u> </u> | _ | | | 67 | Ш | \dashv | \dashv | - | - | _ | \dashv | - | 4 | \vdash | _ | 117 | Н | _ | _ | 4 | \dashv | _ | Н | Н | Ш | |
| - | 18 19. | = | Н | - | - | - | ⊢ | _ | ⊢ | H | | | 68 69 | Н | \dashv | \dashv | - | \dashv | - | \dashv | \dashv | - | \vdash | \dashv | 118 119 | Н | \dashv | \dashv | \dashv | \dashv | - | Н | Н | Н | |
| | 20 | | Н | | - | ┝ | - | ⊢ | ┢ | - | | | 70 | Н | - | \dashv | - | + | \dashv | \dashv | + | \dashv | \vdash | - | 120 | Н | \dashv | + | ┪ | \dashv | _ | Н | Н | Н | |
| | 21 | 6 | П | | | Г | | | T | | | | 71 | П | \neg | 7 | _ | 7 | 7 | \neg | 寸 | 7 | r | 7 | 121 | П | | \neg | 7 | \neg | | П | П | | |
| | 22 | × | | | | | | | | | | | 72 | | | | | | | | | | | | 122 | | | | | | | | | | |
| | 23 | = | Ш | | _ | _ | L | | <u> </u> | | | | 73 | | _ | _ | _ | _ | _ | _ | _ | _ | \vdash | _ | 123 | Ш | \Box | _ | 4 | _ | | Ш | Ш | Ш | |
| | 24 25 | = | Н | | _ | - | - | _ | ┝ | Н | | | 74 75 | Н | \dashv | + | + | - | \dashv | \dashv | + | - | \vdash | \dashv | 124 125 | Н | \dashv | - | \dashv | - | - | Н | Н | Н | |
| \vdash | 26 | + | Н | _ | - | H | H | Н | - | | | | 76 | Н | \dashv | \dashv | \dashv | 1 | - | - | + | - | H | - | 126 | Н | \dashv | \dashv | + | + | - | Н | Н | Н | |
| | 27 | Т | П | | | | | | | | ı | | 77 | П | | | | | | T | 7 | | Г | T | 127 | Ħ | | | | П | | | | П | |
| | 28 | 匚 | | | | | | | | | | | 78 | | | | | \Box | | | | | | \Box | 128 | | | | | | | | | | |
| - | 29 | L | Ш | _ | _ | ! | ┡ | L | L | | | | 79 | Ш | 4 | -1 | _ | _ | _ | Н | _ | _ | \vdash | _ | 129 | Ш | \perp | Н | 4 | Н | | Ш | | ш | |
| - | 30 | ┈ | Н | _ | - | ⊢ | ⊢ | ⊢ | ⊢ | Н | | | 80 81 | Н | \dashv | \dashv | \dashv | \dashv | - | Н | - | - | \vdash | - | 130 | Н | \dashv | \dashv | \dashv | Н | _ | Н | - | Н | |
| - | 32 | ╁ | Н | | | ┝ | ┝ | ⊢ | - | - | | _ | 82 | Н | + | ┪ | - | | \dashv | \vdash | _ | - | Н | \dashv | 132 | Н | - | \dashv | - | \dashv | - | Н | Н | Н | |
| | 33 | t | П | | _ | 1 | | ┪ | | П | | | 83 | П | 7 | _ | \neg | _ | \neg | Н | _ | _ | Н | \neg | 133 | Н | | | \dashv | П | | \vdash | П | П | |
| | 34 | | | | | | | | L | | ı | | 84 | | | | | | | | | | | | 134 | | | | | | | | | | |
| | 35 | Г | П | | Г | Г | | 匚 | 1 | Г | П | | 85 | П | | Ι | コ | _ | | | | | Г | コ | 135 | П | | П | _ | П | | П | П | П | |
| - | 36 | ⊢ | Н | _ | L | ⊢ | - | L | ⊢ | H | | | 86 | Н | 4 | 4 | - | 4 | 4 | Н | - | 4 | \vdash | 4 | 136 | Н | \dashv | \dashv | 4 | Н | _ | Н | Н | Н | |
| - | 37 38 | + | Н | - | - | - | - | - | + | - | | _ | 87 | Н | - | - | - | - | - | | - | - | H | | 137 | \vdash | - | \dashv | - | \vdash | - | - | Н | Н | |
| - | 39 | + | Н | Н | - | 1 | 1 | - | + | - | | _ | 99 | Н | + | + | + | 1 | - | Н | + | - | H | \dashv | 139 | Н | - | + | - | + | ۲ | Н | Н | Н | |
| | 48 | 1 | П | | | | | | | | П | | 90 | П | | | ┪ | 1 | _ | | _ | 1 | \vdash | | 140 | | | ┪ | | \neg | | | П | П | |
| | 41 | Г | П | | | | | | | 匚 | | | 91 | П | | \Box | | \Box | | | \Box | | Г | | 141 | | | | | | | П | | | |
| 4- | 42 | ⊢ | Ц | | | L | | Ľ | | | | _ | 92 | П | _ | 4 | 4 | 4 | 4 | Д | J | 4 | F | _ | 142 | П | Ц | _ | 4 | П | | П | Ц | Ц | |
| - | 43 | + | \vdash | - | H | \vdash | \vdash | H | ⊢ | \vdash | | _ | 93 94 | Н | + | 4 | - | \dashv | \dashv | Н | + | - | \vdash | \dashv | 143 | Н | \dashv | \dashv | \dashv | \vdash | _ | Н | Н | Н | |
| 1 | 45 | \vdash | \vdash | Н | Н | Н | Н | H | \vdash | \vdash | | - | 95 | Н | \dashv | + | \dashv | \dashv | \dashv | \vdash | + | - | H | \dashv | 144 | Н | + | + | \dashv | \forall | - | Н | Н | Н | |
| 1 | 48 | \vdash | H | Н | | Н | | H | T | Н | | | 98 | H | + | + | - | ┪ | \dashv | \dashv | 7 | ٦. | ۲ | \dashv | 148 | H | \dashv | - | Н | Н | _ | Н | Н | Н | |
| | 47 | L | | | | L | L | | L | | | _ | 97 | | | | J | ╛ | | | J | | L | | 147 | ╚ | | J | | | | ╚ | ▤ | | |
| | 48 | \Box | П | | | | | | Г | ഥ | H | | 99 | | | \Box | | | | | | | | | 148 | П | | | | | | | | | |
| \vdash | 48 | 1 | Н | _ | | L | | L | L | \Box | П | _ | 99 | Ы | 4 | 4 | 4 | _ | _ | Ц | 4 | 4 | L | 4 | 148 | Ц | 4 | 4 | _ | Ц | _ | Ц | Ц | П | |
| | 50 | L | Ш | _ | _ | L_ | ш | ᆫ | ட | ш | 1 | | 100 | \sqcup | | | _ | \perp | $_{\perp}$ | \Box | _1 | | L | \perp | 150 | Ш | \Box | | | | | \perp 1 | Ш | Ш | |